

Date: Sun, 31 Oct 93 02:01:32 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1293
To: Info-Hams

Info-Hams Digest

Sun, 31 Oct 93

Volume 93 : Issue 1293

Today's Topics:

"Vanity" Call Signs
'Vanity' Call Signs
characteristic impedance
contact with Space Shuttle
linked repeaters question
Mac ham software

Mirage Amplifiers in Repeater Service STS-58 OSL

TM-732 "involuntary shutdown" mode? Mic wiring plan?

VK2SG RTTY DX Notes, 29 October

WANTED: Shuttle Audio Freqs / Ham Radio Rebroadcasts in San Diego
What logging program for CQ WW DX?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 30 Oct 1993 17:31:01 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!emory!swrinde!sdd.hp.com!col.hp.com!
news.dtc.hp.com!hplextra!hpfcs!ais@network.ucsd.edu

Subject: "Vanity" Call Signs

To: info-hams@ucsd.edu

> Well I guess AL got his vanity call without the extra charge.

Once upon a time, for a short period, extras (?) could get specific calls by request. For example, locally a guy known as OJ is K00J.

Date: 30 Oct 1993 14:07:26 GMT
From: drt@athena.mit.edu
Subject: 'Vanity' Call Signs
To: info-hams@ucsd.edu

In article <wier-291093131830@csci-wiermac.etsu.edu> wier@merlin.etsu.edu (Bob Wier) writes:

I had a running battle with the Arizona DOT for years about auto registration.
Turns out that state makes a MAJOR hassle about things along these lines.
For example,
they won't sell you a parking permit for the University UNLESS you have an Arizona
Registration with ARIZONA insurance (I'd moved there from Colorado - had Colorado
based insurance from a company which did business in both states - the company said
"sure it's good in Arizona" - but I had to cancel it and buy friggin ARIZONA insure at
ARIZONA controlled rates!) All this time I owned property, paid taxes, voted, and maintained
a year round residence back in Colorado -

This sounds very, very familiar up here ... then I moved out of Cambridge, and we have no permit parking in Natick.

However, at any rate - one reason I was fighting this was because I had Colorado call sign plates. And in Arizona when you register your car, not only do you have to put ARIZONA plates on your car, they CONFISCATE your old plates (called "surrendering" them).

Couldn't you get out of this by cancelling your CO registration, then registering your "unregistered" car? You'd need to borrow a car to get to the Registry or whatever they call it.

I also checked about call sign plates in RRIZONA (they cost \$2/yr in Colorado) - turns out they are classed as vanity plates and have the same exorbitant charge - and this is in Barry Goldwater land!

Well, here in the Massachusetts (Dukakis/McGovern land), where ordinary registration is \$35 every two years, I think, for renewal, vanity

plates cost \$35 per year, but amateur plates are special: they cost \$70 every two years. (Or is it the other way around? I forget. :-])

-drt

- -

|David R. Tucker KG2S 8P9CL |drt@mit.edu|

|`Most political sermons teach the congregation nothing except
|what newspapers are taken at the Rectory.' -C.S. Lewis

Date: 31 Oct 93 08:38:24 GMT

From: library.ucla.edu!agate!howland.reston.ans.net!xlink.net!fauern!rz.unibw-muenchen.de!claude@network.ucsd.edu
Subject: characteristic impedance
To: info-hams@ucsd.edu

What is the preferred method to measure the characteristic impedance of a coax line?

Thanks for your advice.

2

Claude F.

This message may contain opinions which are not shared by my employer.
The facts can speak for themselves.

Date: Sat, 30 Oct 1993 17:43:44 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!emory!swrinde!sdd.hp.com!col.hp.com!
news.dtc.hp.com!hplextra!hpfcso!ajs@network.ucsd.edu
Subject: Contact with Space Shuttle
To: info-hams@ucsd.edu

> Can anybody tell me what equipment is needed to make 2-way contacts
> with the space shuttle?

I can tell you that this combination is very reliable: 160W with an 11-element steerable beam, rotated "by hand" (az/el remote controls, picking up numbers from QuikTrak on a PC). We got callsign acknowledgement on seven out of seven tries when there were no technical difficulties (wrong keps), although often there were other botches (lost track of which uplink freq we'd used, at least twice!).

I can also tell you that at least one ham, NOTQN here in Fort Collins, Colorado, made contact with a RUBBER DUCK ANTENNA ON AN HT WITH 2 WATTS after hearing our contact and noting the uplink freq. Amazing!

> ...wondering what time (UTC) of day the probability is higher to hear
> phone QSOs. I suppose the crew has a more or less regular "daily"
> schedule.

I can only tell you that we didn't hear any voice before 10/23, none again until 10/26, and then on almost every pass we could use here (not too early and not too low). That meant about 0730, 0900, and 1030 MDT. (Passes were almost exactly 1.5 hours apart, but drifted slowly earlier, with peak passes drifting earlier faster.) Exceptions were 1027.0900, 1028.0730, and 1030.0900 (when we knew from NASA Select that the crew was busy).

This information is now moot anyway since we heard they will pack up the SAREX gear this afternoon.

I have noticed over several missions that, as you'd expect, there are more voice passes later in the mission.

Date: 31 Oct 93 08:14:05 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!uxa.cso.uiuc.edu!n-dade@network.ucsd.edu
Subject: linked repeaters question
To: info-hams@ucsd.edu

We here have a question about linking ATV repeaters together.
(actually it will happen with any repeaters---ATV is not required)

When the first repeater stops transmitting the "user's" signal, it will transmit its ID picture for a few seconds and then go off the air. The second repeater will then transmits its ID picture and go off the air. However the first repeater could be reopened up by the second repeater's ID picture transmission, and so on, creating a loop where each repeater's sign off is retransmitted by the other, which then signs off itself, etc... .

In California they seem to have this problem licked. How do they do it?

- Nicolas Dade / n9rab / nicolas-dade@uiuc.edu
(with the collaboration of Marcus Damburger / n9rze / marcus.damburger@)

Date: Fri, 29 Oct 1993 10:53:14 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!olivea!grapevine.lcs.mit.edu!lynx!
sehrlich@network.ucsd.edu
Subject: Mac ham software
To: info-hams@ucsd.edu

This is another reminder that the World (world.std.com) has an increasing amount of ham related Macintosh files.

The subdirectory is: /pub/hamradio/mac

If anyone has ANY ham related Macintosh programs they would like to offer, even if the archives already have them, please feel free to place them into the /pub/hamradio/Incoming directory or e-mail the program(s) to me.

Also, if anyone has ANY comments about the hamradio FTP area, please e-mail them to me.

Thanks much in advance.

73,
Scott, WY1Z
Maintainer of the World ~/hamradio FTP area

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Scott Ehrlich	Internet: wy1z@neu.edu	
Amateur Radio: wy1z	AX.25: wy1z@walphy.#ema.ma.usa.na	
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Know your weaknesses, show your strengths - Anonymous		

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Scott Ehrlich	Internet: wy1z@neu.edu	
Amateur Radio: wy1z	AX.25: wy1z@walphy.#ema.ma.usa.na	
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Date: Fri, 29 Oct 1993 12:16:15 GMT
From: psinntp!gdstech!gdstech!bat@uunet.uu.net
Subject: Mirage Amplifiers in Repeater Service
To: info-hams@ucsd.edu

We had used 2 Mirage amps (100w) in repeater service on Long Island for many years. WE started having problems where some components would overheat, and meltdown. A few repairs were done by club members,

but problems continued. So, we switched to a Vocomm amp, and it is doing quite a nice job.

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-----*
* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: Sat, 30 Oct 1993 01:06:09 GMT

From: sdd.hp.com!col.hp.com!news.dtc.hp.com!hplextra!hpfcso!ajs@network.ucsd.edu
Subject: STS-58 QSL
To: info-hams@ucsd.edu

> ...I happened to hear one of the operators on the shuttle working
> several stations.

Yes! You can do it easily, although briefly. See my appended reports.
We're having a great time making contacts here in Colorado at a school
station.

> Can I get a shuttle QSL for a reception-only report? Where do I send
> the report? Should I include a SASE or stamps?

Yes! From this newsgroup a while back:

For radio amateurs who make or hear the SAREX station, you are
invited to send a QSL card to confirm a packet or voice contact
or a SWL report. Send your QSL card to the following address:

ARRL EAD, STS-58 QSL
225 Main Street
Newington, CT 06111

Please allow for up to 6-10 months for the STS-58 SAREX Mission
QSL card to be mailed. Please include with your QSL card all
the specific QSO information such as, date, time, mode,
frequency, etc. Also, and most importantly, if you wish to
receive a QSL card confirming a contact, YOU MUST INCLUDE A
SELF-ADDRESS-STAMPED-ENVELOPE (SASE) WITH PROPER POSTAGE! If
you do not include a SASE, you will not receive a QSL card. ...

From: Alan Silverstein <ajs@hpfcajs.fc.hp.com>
Subject: how to QSO Columbia

This morning we had much better luck talking with Columbia...

During orbit 161 (about 0730, groan) we heard neither packet nor voice. I hung around Webber for two more passes, doing stuff with the kids in between -- explaining radio stuff and orbital mechanics, and getting them on the air to make patch phone calls via CSU.

During orbit 162 at about 9 am Grant Pahlau, N0QBA, was present. He's the teacher who set up the school SAREX contact but never got on the air during it. A student used his call sign. He did what I did yesterday -- grabbed the mike from the student -- and got a "59" acknowledgement from Bill, KC5ACR. In the heat of the moment he forgot to mention we were at Webber and to thank Marty for Saturday's QSO. But it was a kick. Columbia immediately went on to another contact, and Grant was quickly back teaching class.

During orbit 163 Paul (KG0CZ) and I were present with just one student. We put the student on to call with Paul's sign, between trying packet connections. To our surprise the astronauts were on voice again. The student got an acknowledgement from KC5ACR at about 1038, almost mid-pass (24 degrees elevation in the SSW). The student kinda froze so Paul grabbed the mike from him and said we were at Webber in Fort Collins and thanked Marty for the Saturday QSO. Whereupon Marty, KC5AXA, responded. We were so high on adrenaline that we don't remember exactly what Marty said!

I thought Paul hadn't mentioned Webber, so I grabbed the mike from him in turn and said something like, "N0 Mike Fox Whiskey with KG0C Zed, at the Webber Junior High station in Fort Collins. Thanks Marty for the great contact last Saturday. Hope you have a good flight." He said something about them enjoying themselves and it being a good day. I responded inanely with, "Please record KG0C Zed and November 0 Mike Fox Whiskey, and on to your next contact, thanks." Which he did.

It's amazing how most everyone gets mike fright when you are on-line with the shuttle. We also forgot to start a voice recorder, sigh. ...

From: Alan Silverstein <ajs@hpfcajs.fc.hp.com>
Subject: how to QSO Columbia three more times

The Webber Junior High station is having phenomenal success reaching Columbia. We connected with them on three successive orbits this morning, with different call signs and kids involved

each time. That makes five successes in five attempts in two days.

This morning I just couldn't make it out of bed and over there for the first good pass, but I listened on my HT from bed (!). I heard Columbia loud and clear with a hot rod antenna. I also heard John (N0LHW) at Webber get through on 144.97 MHz, so I programmed my radio to that uplink freq and made some calls myself -- with 2.5W! Why not? I didn't get acknowledged, of course...

I was at the school for the later two passes. To my amazement there was someone onboard Columbia doing QSOs for all three orbits this morning. It's not so amazing that we got through each time considering the great equipment setup courtesy of John. (As Paul observed, "it's like shooting ducks in a barrel".) It is amazing, though, that several times in the last two days we've actually heard Columbia having to call CQ.

The Webber station has now reached Columbia on seven different orbits...

Date: 30 Oct 93 18:52:29 GMT

From: world!news.mtholyoke.edu!nic.umass.edu!risky.ecs.umass.edu!umaecs!
gskibisk@uunet.uu.net
Subject: TM-732 "involuntary shutdown" mode? Mic wiring plan?
To: info-hams@ucsd.edu

Does anyone know the mic plug wiring scheme for the Kenwood TM-732A? It uses that modular Kenwood plug. I am trying to hook it up to an autopatch. I have the cable but I don't want to play with it because the first time I did that it went into this "protective" mode. Now, I am an electrical engineer so I was careful, but has anyone experienced this:

The radio will not transmit at all, on either band, although it indicates that it is transmitting on the display. It will not make a sound. There is no audio out- not even a beep. It will not register incoming signals at all. Other than that, the display and functions work perfectly.

Obviously, due to my poking, it has gone into some kind of protective mode- maybe I've blown an internal fuse?

I tried all resets and the usual. I know how to op. the radio so I'm not missing something. Obviously, this is not a problem where I've broken something major as it is only 2 days old- it is in

some mode and I can't get it out.

Has this happened to anyone? Does anyone have any ideas about this type of "partial involuntary shutdown?"

Insight would be appreciated!!!

Greg N1NJW

Date: Sat, 30 Oct 93 12:10:36 GMT
From: sdd.hp.com!usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!bulletin@network.ucsd.edu
Subject: VK2SG RTTY DX Notes, 29 October
To: info-hams@ucsd.edu

===== |
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

SB DX @ ALLBBS \$RTDX1029
VK2SG RTTY DX Notes, 29 October
VK2SG RTTY DX Notes for week ending 29 October 1993 (BID RTDX1029)

Our information this week comes from 9X5LJ, DJ3IW and the DB0BCC Cluster Node, I5FLN, I5ICY, I5IGY, KE6XJ, N0AFW, SP5AA, VP8BFH, WA1MPB, WB2CJL, W2TKU, W5KSI, ZS4Y, ZS5S, and the NJ0M Node of the Twin Cities DX Packet Cluster Network. Thanks to all for your help.

Bandpass:

Friday 22
0543-21071 J28BM ARQ
0543-14081 VU2RAK
0710-14082 NL7ZH
0759-14088 WL7EF
1105-24086 3A2LZ
1135-28081 J28BM QSL K1SE
1234-14087 S06AD
1317-14088 4N7N QSL to Branko, Box 34, Novi Sad 21101, Yugoslavia
1410-14085 VK9CG
1450-14084 S21A
1537-21083 J28JJ see note
1622-14088 RJ7JYZ QSL Box 126, Dushanbe, 734000 Tadzhikistan

1748-14097 SV5AZK
1843-14088 FR5GS
1935-14092 ZD8VJ QSL G4ZVJ
2249-14087 HK0DPA
2255-14083 VK6HD

Saturday 23

0700-21083 UH5E/UA9TK
0704-14087 RJ7JYZ
0735-14084 CN8NP
0739-14085 3C1EA
0838-21079 OK3NBG
1030-14082 3A2EZ
1100-21083 UW9CC
1105-14085 V73C
1158-21087 ZD8VJ
1232-14084 OM3CPA
1354-14084 9V1ZM QSL VE3MMB
1423-14085 VK9CG
1456-14087 ZD8VJ
1552-14088 S51GL
1620-14085 RJ7JYZ
1718-21086 CU1AC
1805-18095 3B9FR (that's right - 17m band)
1827-14080 VU2YK
1953-14084 HA90A
2047-14086 UA1ZJD
2100-14089 VK2KM
2108-14085 KL7AJ
2130-14084 HK3CAA

Sunday 24

0927-21081 SV2ASP/A see note
1109-21088 TR8MD QSL F6FNU
1311-21087 9H1ET
1324-21078 FT4WD QSL F6AAX
1451-21084 V51A
1503-14082 9J2HN
1537-21084 FR5GS
1544-21088 GW4YMJ
1551-21082 HJ6SQQ
1634-14084 LY1DD
1657-14087 RT4UZ
1707-14086 LA7AJ
1817-21086 J28BM
1830-21082 EP2A
2319-14086 UH5E/UA9TX

Monday 25
0812-14086 9H1ET
0852-14086 YI1AZ
1209-21083 UH5E/UA9TX QSL DL1FCM
1553-14083 UH5E/UA9TX
1649-21085 TR8MD
2009-14089 PJ2MI
2148-14091 ZD8VJ
2223-14088 FG5GH
2236-14087 WL7EF

Tuesday 26
1639-21090 GM0SZQ
1656-21084 TR8MD
1756-14082 TR8MD
2309-14083 PJ2MI

Wednesday 27
0055-14086 BY1QH
0954-14087 YI1HS
1035-21084 EA6MR
1206-14087 UJ8JCQ
1224-14085 Y03FRI
1302-21089 Z32J
1438-14086 SV2BBJ
1523-14085 LX1DA
1549-14081 IS0AWP
1721-14086 4X6LM
1804-14088 T46RR
1814-14085 EA6MR
2042-14085 ZS4KK/ZS9 SEE NOTE

Thursday 28
1221-14086 VP2V/K4ADK
1530-21086 VP2V/K4ADK
1630-21086 CU1AC
1957-14083 ZS4KK/ZS9
2024-14081 YV5NFL

Notes of Interest:

Djibouti - J28JJ. QSL Jean Jacques Chatelard, Box 1076, Republic Of Djibouti. Jean Jacques will be stationed there for 3-4 years.

Walvis Bay - Coen, ZS4KK/ZS9 is operating here until 1 Nov. Check all bands 10-80m including WARC. QSL to CBA of ZS4NS.

Mount Athos - SV2ASP/A, Apollo was heard in QSO with his manager, SV2WT, but he did not respond to calls from others.

South Georgia - Keith, VP8CKB is still studying fur seals on Bird Island, but we have had no recent reports of RTTY activity from him. Perhaps Bob, VP8BFH can encourage him to become RTTY QRV again before he leaves next February.

We hope for the quick recovery, from major surgery, of Angelo, W5KSI. send your message of encouragement to him at W5KSI.#NOLA.LA.USA.NA. He has a packet station at his hospital bedside.

For next week's bulletin, send your Bandpass and Notes of Interest to Luciano. I5FLN @ ZS5S.ZAF.AF or I5FLN @ 9X5LJ.#KGL.RWA.AF.

73 and good hunting DE Jules W2JGR @ W2TKU.#SRQFL.FL.USA.NA
/EX
SP KT7H @ N7DUO.WA.USA.NA

Date: Sun, 31 Oct 1993 09:09:57 GMT
From: csus.edu!netcom.com!benji@decwrl.dec.com
Subject: WANTED: Shuttle Audio Freqs / Ham Radio Rebroadcasts in San Diego
To: info-hams@ucsd.edu

You can find the air-to-ground Shuttle repeated on 449.450Mhz

Brad A. Pennock -----
benji@netcom.com =====

(-----] [-----
/ /-----... . .~_~ "We put humans on the Moon in less time
<----- than we've spent debating the space
----- station." Daniel S. Goldin, NASA.

Date: Fri, 29 Oct 1993 12:24:54 GMT
From: psinntp!gdstech!gdstech!bat@uunet.uu.net
Subject: What logging program for CQ WW DX?
To: info-hams@ucsd.edu

In this part of town, the definitive contest program is CT from

K1EA. It has different setups for all of the different DX contests that come along.

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-----*
* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: Fri, 29 Oct 93 07:32:56 EST
From: noc.near.net!news.delphi.com!usenet@uunet.uu.net
To: info-hams@ucsd.edu

References <2ahec9INN6se@abyss.West.Sun.COM>, <1993Oct26.130817.1696@mwk.com>, <4760@eram.esi.COM.AU>
Subject : Re: Bird watt-meters can't be exported?

The only serious reason I can think of (aside from U.S. export restrictions, which seem doubtful) would be that Bird's distributors in other countries might be demanding that U.S. distributors not be allowed to compete with them by mail order.

Date: 30 Oct 93 21:43:03 GMT
From: panix!not-for-mail@uunet.uu.net
To: info-hams@ucsd.edu

References <2agaqq\$1fv@bigboote.WPI.EDU>, <2ahec9INN6se@abyss.West.Sun.COM>, <pschleck.751603812@cwis>
Subject : Re: Bird watt-meters can't be exported?

In <pschleck.751603812@cwis> pschleck@cwis.unomaha.edu (Paul W Schleck KD3FU) writes:

>In <2ahec9INN6se@abyss.West.Sun.COM> myers@sunspot.West.Sun.COM (Dana Myers) writes:

>>In article <2agaqq\$1fv@bigboote.WPI.EDU> gkd@wpi.WPI.EDU (Gregory K Doerschler) writes:
>>>In article <4724@eram.esi.COM.AU> dave@esi.COM.AU (Dave Horsfall) writes:
>>>So, what's with the "Not available for export" notation across the
>>>photo of the Bird meter in the Barry ads? Too delicate? Upsets
>>>someone's monopoly? Munitions? Classified equipment?
>>>
>>>The meter would have to be recalibrated to read foreign watts.
>>>

>>>

Greg

>>Don't be silly. There is no such thing as foreign watts.

>>For export, you need to recalibrate the Bird wattmeters to read
>>in voltage watts, not current watts.

>Ya know, someone is going to come along and take you guys seriously,

no, boys and girls. the problem is that the coriolis effect would have the
meter rotating backwards in the southern hemisphere.

--

dannyb@panix.com adds: all the usual disclaimers regarding liability,
intelligence, accuracy apply. spelling disclaimer is doubled.

Date: Sat, 30 Oct 1993 06:21:25 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!torn!nott!cunews!
freenet.carleton.ca!Freenet.carleton.ca!aj467@network.ucsd.edu
To: info-hams@ucsd.edu

References <rohvm1.mah48d-291093075830@136.141.220.39>,
<199310261649.JAA01502@ucsd.edu>, <CFJGAM.BB5@freenet.carleton.ca>
Reply-To : aj467@Freenet.carleton.ca (Bill Macpherson)
Subject : Re: BAUD VS BAUDS

In a previous article, rohvm1.mah48d@rohmhaas.com (John E. Taylor III) says:

>> I believe the term to be baud as in "baud rate"
>
>Bill, do you refer to the Hertz rate of your transmitter, or the knot rate
>of your sailboat? Baud is a rate unit itself.
>

Well I do say my radio Hertz when the smoke leaks out.

As to "knot rate" that could be used, for though it is cumbersome, knots
derived from the number of knots turned in a rope teathered to a floating
plank ... so many knots ... so many nautical miles (knots) so I think a
knot rate is valid. Or am I off in space again.

>Sorry, I'm sure you'll get all kinds of similar responses, but I had to
>speak in defense of the language :-)

>
> 73 de John, W3ZID
>

No problem John, at age 43 I'm used to the taste of my foot by now.

Look forward to more briqbats and bouquets.

--
Bill VE3NJW, VE3NJW@VE3KYT.#EON.ON.CAN

End of Info-Hams Digest V93 #1293
